

Amendments to the Specification

Please replace paragraph [0001] with the following amended paragraph:

Please replace paragraph [0050] with the following amended paragraph:

Please replace paragraph [0064] with the following amended paragraph:

[0064] At this point it should be clear that the contents of GPR 1124 remain in the same state that they were in when the microprocessor 310 was interrupted. However, since the interrupt routine 1106 will use set “1” of the shadow set 1126, there is no need to save the contents of the GPR 1124 before the service routine 1106 is allowed to execute, because the service routine 1106 will not overwrite any of the contents of the GPR 1124. Rather, references by the service routine 1106 to registers within the GPR 1124 will utilize the duplicate registers within set “1” of the shadow set 1126.